



**Peavey®**

## RBS™ 1

**High Efficiency Dual Tuned  
Bass Enclosure/Subwoofer**

### SPECIFICATIONS:

**Enclosure:**  
RBS™1

**Frequency Response, 1 Meter on Axis,  
Swept Sine Averaged Across Operating  
Bandwidth in Anechoic Environment:**  
50 Hz-200 Hz

**Low Frequency Limit (-3 dB point):**  
50 Hz

**Usable Low Frequency Limit (-10 dB point):**  
40 Hz

**Power Handling:**  
500 watts continuous (44.7 volts RMS)  
800 watts program

**Sound Pressure Level, 1 Watt at 1 Meter,  
Swept Sine Input in Anechoic Environment:**  
99 dB

**Maximum Sound Pressure Level:**  
126 dB

**Transducer Complement:**  
(2) 15" 1505-8 Black Widow®

**Box Tuning Frequency:**  
65 & 85 Hz

**Impedance (Nominal):**  
4 ohms

**Impedance (Minimal):**  
3.2 ohms

**Input Connections:**  
2½" jacks, 1 XLR

**Enclosure Materials and Finish:**  
¾" plywood/carpet covering/black  
corners

**Dimensions:**  
33½" H × 24¾" W × 17" D

**Net Weight:**  
123 lbs.

### DESCRIPTION

The RBS™ 1 is a unique, low frequency enclosure which combines the best features of current vented box and closed box technology. The enclosure is constructed of sturdy ¾" plywood and covered with Peavey's rugged carpet/tolex® material. Black, steel handles and corners are used for ease of transport and enclosure protection. The enclosure creates sound by way of two 15" BW speakers, each of which is side loaded into a compression chamber and an optimally tuned resonant volume. The compression chamber limits extreme low end speaker excursion while the resonant volume limits excursion at higher frequencies and enhances low end response. The advantages of this configuration include lowered distortion, enhanced SPL at prominent bass frequencies, compact size and speaker protection. RBS 1 can be used effectively as a subwoofer (40 - 200 Hz) in P.A. situations; it is equally well suited to be used as the low end portion of a bi-amp system for electric bass.

## FREQUENCY RESPONSE

The frequency response of the RBS™ 1 is measured in an anechoic environment at a distance of 1 meter while using a 2 volt logarithmically swept sine input. This measurement is useful in determining the accuracy in which the enclosure reproduces the input signal. As shown in figure 1, the RBS 1 delivers excellent low end response from 50 to 200 Hz.

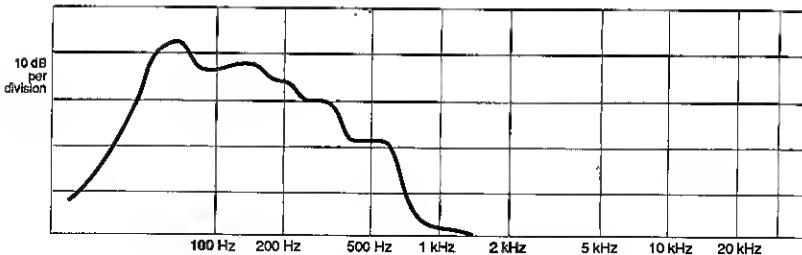


Figure 1. FREQUENCY RESPONSE

## POWER HANDLING

There are many different approaches to power handling ratings, the most common being EIA standard RS-426A. The derived shape of this test spectrum was an attempt to simulate the spectral content of contemporary music.

Although it does resemble contemporary music, EIA-RS-426A does not contain the same levels of very low frequency material found in live music situations. Very high levels of low frequency material produce distortion and, ultimately, device failure. The presence of the low frequency material will therefore yield lower device ratings than produced by EIA standard RS-426A.

Although the Peavey ratings are lower than those produced by the EIA test spectrum, they are far more reliable and will have a direct correlation to real world situations.

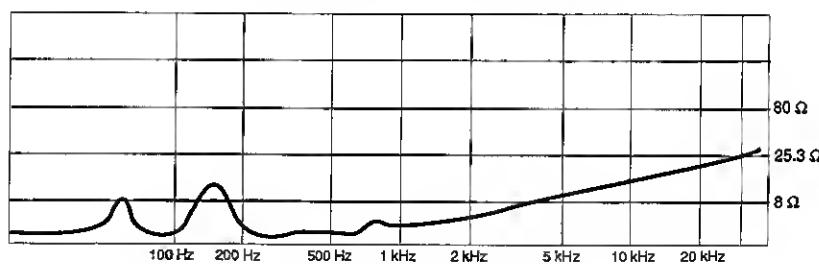


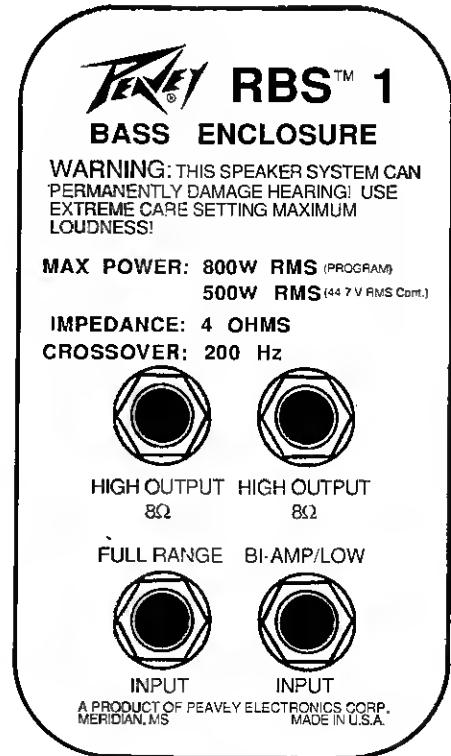
Figure 2. IMPEDANCE

## ARCHITECTURAL & ENGINEERING SPECIFICATIONS

The loudspeaker system shall have an operating bandwidth of 50 Hz to 200 Hz. The output level shall be 103 dB when measured at a distance of one meter with an input of one watt. The nominal impedance shall be 4 ohms. The continuous power handling shall be 500 watts. Maximum program power of 800 watts, with a minimum amplifier headroom of 3 dB. The outside dimensions shall be 24½ inches wide by 33⅓ inches high by 17 inches deep. The weight shall be 123 lbs. The loudspeaker system shall be a Peavey model RBS™ 1.

## ONE YEAR LIMITED WARRANTY --

Note: For details, refer to the warranty statement. Copies of this statement may be obtained by contacting Peavey Electronics Corporation, P. O. Box 2898, Meridian, Mississippi 39302-2898.



Features and specifications subject to change without notice.